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Bragg and his son divided the Nobel Prize in 1915 for work on X-rays. "The Club" was proposed by Dr. J. G. Adami, the recently appointed vice-chancellor of the University of Liverpool, who insisted on the educational value of the club, which, as a past professor, he seemed to rate higher than that of lectures; that ideas struck out in a discussion were often of great value was accepted as true by Professor Marr, who, as one of the senior honorary members, replied to the toast in an amusing speech. On the cover of the menu there was an attractive reproduction of Kneller's portrait of Sir Isaac Newton, painted in 1689, two years after the publication of the *Principia*, and apparently the only authentic portrait done in his prime. The original portrait is in the collection of the Earl of Portsmouth, but the reproduction was a photograph of the Trinity College engraving executed about 1866 by Oldham Barlow.

FELLOWSHIP OF THE NEW ZEALAND INSTITUTE

At the annual meeting in 1919 of the board of governors of the New Zealand Institute it was decided to establish a fellowship of the institute, since—apart from Hutton and Hector Memorial Medals, which could only be gained by very few—there were no honors attainable in the Dominion for those engaged in scientific research, the number of whom has greatly increased in recent years, while more branches of science are pursued than formerly. This fellowship, which entitles the recipient to place the letters "F.N.Z. Inst." after his name, is limited to forty fellows, and not more than four from now on are to be elected in any one year until the number is complete, after which only such vacancies as occur may be filled.

In order to make a commencement, and as there were many who well deserved recognition for their long and valuable services to science, it was resolved that in the first place twenty original fellows be appointed, these to consist of the living past presidents, together with Hutton and Hector medallists—ten in all, and of ten more members of the institute

who were to be elected by the past presidents and medallists from persons nominated by the various affiliated branches of the institute.

The fellowship is to be given only for research or distinction in science, and it is plain that the distinction even now is far from easy of attainment, and that, as time goes on, its value will greatly increase.

The election and appointment of the original fellows took place at the close of 1919, and has resulted as follows:

B. O. Aston, F.I.C., F.C.S.

*†Professor W. B. Benham, M.A., D.Sc., F.R.S., F.Z.S.

†Elsdon Best.

*†T. F. Cheeseman, F.L.S., F.Z.S.

*†Professor Chas. Chilton, M.A., D.Sc., LL.D., M.B., C.M., F.L.S., C.M.Z.S.

*††L. Cockayne, Ph.D., F.R.S., F.L.S.

†Professor T. H. Easterfield, M.A., Ph.D., F.I.C., F.C.S.

Professor C. C. Farr, D.Sc., F.P.S.L., A.M.I.C.E.

G. Hogben, C.M.G., M.A., F.G.S.

G. V. Hudson, F.E.S.

Professor H. B. Kirk, M.A.

††P. Marshall, M.A., D.Sc., F.G.S., F.R.G.S., F.E.S.

*D. Petrie, M.A., Ph.D.

†Sir Ernest Rutherford, F.R.S., etc.

Professor H. W. Segar, M.A.

S. Percy Smith, F.R.G.S.

R. Speight, M.A., M.Sc., F.G.S.

Professor A. P. W. Thomas, M.A., F.L.S.

*Honorable G. M. Thomson, M.L.C., F.L.S.

J. Allan Thomson, M.A., D.Sc., A.O.S.M., F.G.S.

SCIENTIFIC NOTES AND NEWS

PROFESSOR ALBERT A. MICHELSON, of the University of Chicago, has been elected a foreign associate member of the Paris Academy of Sciences to succeed the late Lord Rayleigh.

THE Bruce Gold Medal of the Astronomical Society of the Pacific has been awarded to Professor Ernest W. Brown, of Yale University, for "distinguished services to astronomy." The award was officially announced at the annual meeting of the society on January 31. It is hoped that Professor Brown may be

*Past President.

†Hector Medallist.

†Hutton Medallist.

able to go to California to receive the medal in person at the meeting of the society which will be held on March 27. This is the fifteenth award of the Bruce Gold Medal. It will be recalled that nominations for the medal are received each year from the directors of six great observatories of the world: the Cordoba Observatory, Argentina; the Royal Observatory, Greenwich, England; the Paris Observatory, France, and the Harvard, the Lick and the Yerkes Observatories in America. It is on the basis of these nominations that the directors of the society make the annual award.

At a meeting of the Academy of Natural Sciences of Philadelphia held on February 17, the Hayden memorial geological medal for distinguished work in geology or paleontology for 1920 was awarded to Professor T. C. Chamberlin, of the University of Chicago, on the recommendation of a committee consisting of R. A. F. Penrose, Jr., *chairman*, John Mason Clarke, Henry F. Osborn, Charles D. Walcott and Edgar T. Wherry.

THE William H. Nichols medal for the year 1919 was presented to Dr. Irving Langmuir by Dr. Nichols at a meeting of the New York Section of the American Chemical Society on March 5. Dr. Langmuir made an address on "Octet theory of valence."

R. H. HOOKER has been elected president of the Royal Meteorological Society. The vice-presidents are J. Baxendell, F. Druce, Sir Napier Shaw and F. J. W. Whipple.

ARTHUR W. GILBERT, Ph.D., who was professor of plant breeding at the New York State College of Agriculture from 1911 to 1917, has been appointed state commissioner of agriculture for Massachusetts.

DR. W. A. SETCHELL has a sabbatical year of absence from his work as head of the department of botany at the University of California and is visiting botanical institutions in the eastern states.

DR. J. W. E. GLATTFELD, assistant professor of chemistry of the University of Chicago, has been appointed temporary research associate of the department of botanical research, Carnegie Institution of Washington, and is

spending January, February and March at Tucson, in cooperative work with Dr. H. A. Spoehr, of the staff of the Desert Laboratory.

ACCORDING to a press dispatch from Geneva Burt Wolbach, of Harvard Medical School, and Dr. John Todd, of McGill University, have arrived there to confer with the general medical director of the League of Red Cross Societies concerning inquiries the league will carry on in Poland in connection with the study of typhus fever. Other members of the mission are proceeding to Poland. Professor George C. Whipple, of Harvard University, has arrived there to take up his work as chief of the sanitary department of the Red Cross League.

DR. ALONZO E. TAYLOR, of the University of Pennsylvania, sailed for Europe, February 14, to make a study of food conditions on the continent.

THE *Journal* of the American Medical Association states that Drs. William J. Mayo, Rochester, Minn., and Franklin H. Martin, Chicago, who have been visiting South America in the interests of a Pan-American College of Surgeons, started for home from Santiago, Chile, on February 14. In the course of their tour they have visited Buenos Aires, Montevideo and Valparaiso, Chile.

THE Government of South Africa has appointed an advisory committee to carry out and supervise a botanical survey of the territories included in the Union, with Dr. J. B. Pole-Evans, chief of the division of botany in the Department of Agriculture, as director.

THE committee on Scientific Research of the American Medical Association has made the following grants for scientific work: Professor G. Carl Huber, University of Michigan, \$400, for study of nerve repair. Professor H. M. Evans, University of California, \$400, for study of the influence of endocrine glands on ovulation. Professor E. R. LeCount, Rush Medical College, \$200, for study of extradural hemorrhage and of the h-ion content of the blood in experimental streptococcus infections. Dr. E. E. Ecker, Western Reserve University, \$200, for a study of the

specificness of anti-anaphylaxis. Dr. Henrietta Calhoun, Iowa State University, \$400, for a study of the effect of protein shock on diphtheria intoxication.

THE Cornplanter silver medal, which is awarded biennially by the Cayuga County (N. Y.) Historical Society in recognition of service to the historical study and the present welfare of the Iroquois League or Six Nations Confederacy, has been given this year to Mrs. Frederick Ferris Thompson (Mary Clark Thompson) in acknowledgement of her contributions to the Iroquois collections of the New York State Museum and to the conservation of the historical records of the league. Mrs. Thompson's contributions to this object have been made in the name of her father Myron H. Clark, a former governor of New York state.

THE seventh lecture of the Harvey Society series will be given by Dr. Otto Folin, professor of physiological chemistry, Harvard University, on "Blood chemistry" at the New York Academy of Medicine on Saturday evening, March 13.

At a meeting of the American Philosophical Society held on March 5, the program was: "Across the Andes in search of fossil plants," by Edward W. Berry, assistant professor of paleobotany, Johns Hopkins University, and "Interrelations of the fossil fuels—the Paleozoic coals," by John J. Stevenson, professor emeritus of geology, New York University.

DR. ALFRED J. MOSES, professor of mineralogy in Columbia University, has died at the age of sixty-one years.

DR. FRANCIS C. PHILLIPS, professor of chemistry at the University of Pittsburgh for forty years, died on February 16, at the age of sixty-nine years. Professor Phillips was known for his work in the chemistry of natural gas.

SIR JAMES ALEXANDER GRANT, one of the most distinguished surgeons of Canada, known also for work in paleontology, died on February 6, at his home in Ottawa, aged eighty-nine years.

THE department of geology and geography at the University of Michigan is to have a summer camp in the mountains of Kentucky for field work in geology and geography. This camp will open on August 30, and will continue for four weeks. Professor C. O. Sauer, in charge of geography at the university, will be director of the camp and conduct the work in geography. The work in geology will be directed by Professor E. C. Case. The number of students will be limited to twelve in each course. Students from other universities who have finished an elementary course in geology will be welcome to the camp. Full information can be obtained from Professor Sauer.

DR. JOSEPH GRINNELL, associate professor of zoology and director of the California Museum of Vertebrate Zoology, has presented his entire private collection of scientific study skins of North American birds to the University of California. The specimens number 8,312 and represent collections during the period 1893 to 1907. The total ornithological collections in the California Museum of Vertebrate Zoology now amount to 39,659 specimens. The study skins were secured from Los Angeles county, the Colorado Desert, the Mohave Desert, the San Bernardino Mountains, the Santa Barbara Islands, Mt. Pinos in Ventura, Santa Clara county, Los Coronados Islands, the Stikine District in southeastern Alaska, and the Kotzebue Sound District in arctic Alaska. Twenty-seven types of subspecies newly described, and specimens of at least three species of birds now extinct, are included in the collection. There are also many "record specimens." Large series of such birds as the willow ptarmigan, specially selected to illustrate processes of molt are included. There are also long series of birds gathered from appropriate territory to show facts in geographic variation.

THE American Museum of Natural History has published in its *Bulletin* a full report by Dr. Pilsbry on Land Mollusks of the Belgian Congo, one of a series of reports on the fauna of that region. These reports are

based on the collections made by the American Museum Belgian Congo Expedition in cooperation with the Belgian government.

THE *Journal* of the American Medical Association states that the Société de Neurologie de Paris has recently decided to inaugurate an international exchange of views on neurologic questions by inviting neurologists and psychiatrists from other countries to attend a special meeting to be held annually at Paris in July. It is planned to have two days of work with two sessions each day, and some subject is to be appointed for discussion. The first meeting it is announced will be organized in July, 1921, and the subject appointed for discussion at that time is the clinical forms and the treatment of syphilis of the nervous system. Professor J. A. Sicard has been appointed to open the discussion.

We learn from the *Journal* of the American Medical Association that a notable gathering of members of the medical profession and other friends of the late Sir William Osler attended services in his honor on January 1, in Old St. Paul's Church, Baltimore. The time was set on receipt by Dr. Henry Barton Jacobs, of a cablegram from Lady Osler, stating that the funeral services in England would be held at that hour. The ceremony at St. Paul's was most impressive. The trustees, faculty and student body of the Johns Hopkins University were represented, as well as the nurses of the training school and officials of Johns Hopkins Hospital. The medical and surgical faculty of Maryland and the Baltimore City Medical Society were represented by leading members of the medical profession. A memorial meeting of the staff of Mayo Clinic, Rochester, was held on December 31.

VALUABLE data and records, covering two years' research in the cause and effect of influenza, made by Dr. Thomas M. Rivers, and the laboratories of Dr. Bayne Jones and Dr. Lloyd D. Felton, containing apparatus and data of value, were destroyed in the fire which recently broke out on the top floor of the pathologic building in the Johns Hopkins group.

UNIVERSITY AND EDUCATIONAL NEWS

THE General Education Board, founded by Mr. John D. Rockefeller, announces an appropriation of \$1,000,000 as a contribution toward a building fund of \$3,000,000 for the construction and endowment of a new library and class room building for Teachers College, Columbia University.

AN emergency grant has been made to the University of Cambridge, by the government, of £30,000, payable in two installments, the first of which has been received. The council of the senate has assigned £5,000 to the university library, £4,100 to increase the stipends of various professorships, £1,400 to increase the stipends of eight readers, and £2,575 for various university lecturers.

MR. S. B. JOEL and his brother, Mr. J. B. Joel, have promised the sum of £20,000 for the endowment of a chair of physics in the Middlesex Hospital Medical School, London.

AFTER thirty years of service in the department of chemistry at the University of Iowa, during the last fifteen of which he has been head of the department, Professor E. W. Rockwood has resigned his administrative duties. He will continue his teaching and research.

ASSISTANT PROFESSOR C. N. MILLS, of South Dakota State College, has been appointed professor of mathematics at Heidelberg University, Tiffin, Ohio.

DR. ROGER C. SMITH, of the Virginia Station, has succeeded Dr. M. C. Tanquary in the Kansas State Agricultural College, entomological department. Dr. Tanquary resigned to accept the post of Texas state entomologist.

HOWARD M. TURNER, a consulting engineer of Boston, who recently has been connected with the Turners Falls Construction Company, has been appointed lecturer on water-power engineering at the Harvard Engineering School.

It is stated in *Nature* that Dr. Samuel Smiles has been appointed to the Daniell